

ECE-345-001 (Fall 2020) ▼

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Review Test Submission: Quiz 3.1

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Course	Intro to Control Systems - Fall 2020 Section Group I67
Test	Quiz 3.1
Started	9/3/20 12:53 AM
Submitted	9/3/20 12:54 AM
Status	Completed
Attempt Score	4 out of 4 points
Time Elapsed	0 minute
Results Displayed	Submitted Answers, Incorrectly Answered Questions

Question 1

1 out of 1 points



What is a state?

Selected
Answer:

A complete set of variables required to account for storage of mass, momentum, and energy in a system.

Question 2

1 out of 1 points



True or false? A state must be a scalar.

Selected Answer: False

Question 3

1 out of 1 points



Which of the following best describes the relationship between state-space and transfer function modeling?

Selected Answer:

The two models are complementary.

Question 4

1 out of 1 points



Which of the following could be elements of the state of an RLC circuit with applied voltage $v(t)$?

Selected Answer:

The current $i(t)$ and the voltage across the capacitor $v_c(t)$.